

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 28, line 29 and extending to page 29, lines 8 with the following amended paragraph:

Figure 11c shows an alternate approach to enhance targeting of a charged droplet 19d into a selected microchannel 3a of a plurality of microchannels 3, according to the present invention. In the embodiment shown in Figure 11c, the droplet guiding system 150 comprises a plurality of targeting electrodes ~~61~~ 60, each associated with a corresponding fluid interface port or microchannel. The fluid interface ports and corresponding microchannels are charged by a targeting electrode charging circuit 61 to result in a force towards the virtual wall 15 of the selected microchannel 3a. As seen in Figure 11c, the selected droplet 19d is positively charged whilst the targeting electrode ~~61~~ 60 associated with the selected corresponding microchannel 3a is charged negatively to guide the selected droplet 19d into a selected corresponding microchannel 3a via the virtual wall 15. Guiding is enhanced by charging a neighboring targeting electrode ~~61~~ 60 with an identical sign as the selected droplet 19d to repel the droplet away from the neighboring microchannels 3b, 3c and towards the selected microchannel 3a.